

WHAT IS CLAIMED IS:

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1. An image pickup apparatus for use with a flash apparatus, comprising:  
control means for determining the amount of light generated by the flash apparatus;  
color adjusting means for controlling hue or color saturation; and  
first hue controlling means for controlling said color adjusting means such that hue or color saturation is corrected in accordance with the amount of light determined by said control means.
2. An image pickup apparatus according to Claim 1, further comprising:  
means for detecting a color temperature of a subject;  
and  
second hue controlling means for controlling said color adjusting means such that hue or color saturation is corrected in accordance with the color temperature of the subject detected by said detecting means,  
wherein said first hue controlling means corrects a correction result of said second hue controlling means.
3. An image pickup apparatus according to Claim 1,

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wherein said color adjusting means includes a matrix circuit which multiplies a first color difference signal by a factor and adds the result to a second color difference signal and which multiplies the second color difference signal by a factor and adds the result to the first color difference signal.

4. An image pickup apparatus for use with a flash apparatus, comprising:

illuminance detecting means for detecting the illuminance of a subject;

color adjusting means for controlling hue or color saturation; and

first hue controlling means for controlling said color adjusting means such that hue or color saturation is corrected in accordance with the illuminance of the subject detected by said illuminance detecting means.

5. An image pickup apparatus according to Claim 4, further comprising:

color temperature detecting means for detecting a color temperature of the subject;

second hue controlling means for controlling said color adjusting means in accordance with the color temperature of the subject detected by said color

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temperature detecting means,

wherein said first hue controlling means corrects a correction result of said second hue controlling means.

6. An image pickup apparatus according to Claim 4, wherein said color adjusting means includes a matrix circuit which multiplies a first color difference signal by a factor and adds the result to a second color difference signal and which multiplies the second color difference signal by a factor and adds the result to the first color difference signal.

7. An image pickup apparatus for use with a flash apparatus, comprising:

color temperature detecting means for detecting a color temperature of a subject;

illuminance detecting means for detecting the illuminance of a subject;

control means for determining the amount of light generated by the flash apparatus;

color adjusting means for controlling hue or color saturation;

first hue controlling means for controlling hue or color saturation in accordance with the color temperature of a subject detected by said color temperature detecting

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means; and

second hue controlling means for controlling said color adjusting means such that hue or color saturation is corrected in accordance with the illuminance detected by said illuminance detecting means and also in accordance with the amount of light determined by said control means.

8. An image pickup apparatus according to Claim 7, wherein said color adjusting means includes a matrix circuit which multiplies a first color difference signal by a factor and adds the result to a second color difference signal and which multiplies the second color difference signal by a factor and adds the result to the first color difference signal.

9. An image pickup apparatus for use with a flash apparatus, comprising:

color adjusting means for controlling hue or color saturation;

color temperature detecting means for detecting a color temperature of a subject;

first hue controlling means for controlling said color adjusting means in accordance with the color temperature of a subject detected by said color temperature detecting means;

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memory means for storing hue information used to make a color correction when said flash apparatus is used; and second hue controlling means for controlling said color adjusting means in accordance with the hue information stored in said memory means such that the hue information for said flash apparatus is selected when said flash apparatus is used.

10. An image pickup apparatus according to Claim 9, wherein said color adjusting means includes a matrix circuit which multiplies a first color difference signal by a factor and adds the result to a second color difference signal and which multiplies the second color difference signal by a factor and adds the result to the first color difference signal.

11. An image pickup apparatus for use with a flash apparatus, comprising:

white balance controlling means for controlling white balance in accordance with either the illuminance of a subject or the amount of light generated by the flash apparatus;

color adjusting means for controlling hue or color saturation; and

hue controlling means for controlling said color

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adjusting means in accordance with white balance information generated by said white balance controlling means such that when white balance information varies in response to the illuminance of the subject or the amount of light generated by the flash apparatus, where said hue controlling means controls said color adjusting means in accordance with the white balance information.

12. An image pickup apparatus according to Claim 11, wherein said color adjusting means includes a matrix circuit which multiplies a first color difference signal by a factor and adds the result to a second color difference signal and which multiplies the second color difference signal by a factor and adds the result to the first color difference signal.

13. An image pickup apparatus for use with a flash apparatus, comprising:

color adjusting means for controlling hue or color saturation; and

hue controlling means for controlling said color adjusting means such that when a flash apparatus is used, said color adjusting means corrects hue or color saturation.

14. An image pickup apparatus according to Claim 13,

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wherein said hue controlling means has correction data associated with hue or color saturation employed when the flash apparatus is used and also has correction data associated with the hue or color saturation employed when the flash apparatus is not used, and wherein said hue correcting means selects proper correction data on the basis of whether the flash apparatus is used or not.

15. An image pickup apparatus according to Claim 1, wherein said image pickup apparatus comprises the flash apparatus.

16. An image pickup apparatus according to Claim 4, wherein said image pickup apparatus comprises the flash apparatus.

17. An image pickup apparatus according to Claim 7, wherein said image pickup apparatus comprises the flash apparatus.

18. An image pickup apparatus according to Claim 9, wherein said image pickup apparatus comprises the flash apparatus.

19. An image pickup apparatus according to Claim 11,

wherein said image pickup apparatus comprises the flash apparatus.

20. An image pickup apparatus according to Claim 13, wherein said image pickup apparatus comprises the flash apparatus.

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